

19980808.qrp v01_n177.qrs.980808

Date: Sat, 8 Aug 1998 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1177

QRP-L Digest 1177

Topics covered in this issue include:

- 1) [17083] Re: Solar 8-6 & Geomagnetic Storm
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 2) [17084] Re: Suggestions for DC receiver enhancement?
by "laura halliday" <marsgal42@hotmail.com>
- 3) [17085] Re: Toroid-less final amps?
by Steven Weber <kd1jv@moose.ncia.net>
- 4) [17086] Re: Early lunch / 10m / and grid square LOC
by Wayne Alexander <walexander@wwn.net>
- 5) [17087] Re: Solar 8-6 & Geomagnetic Storm
by Ab7wy@aol.com
- 6) [17088] Re: Toroid-less final amps?
by Zack Lau <zlau@arrl.org>
- 7) [17089] GDO
by wj5o@juno.com (William H. Hays)
- 8) [17090] Quotation Verbosity Monitor Report
by n2tpa@juno.com (Bill d Lazure)
- 9) [17091] Got MY Badge today!
by n2tpa@juno.com (Bill d Lazure)
- 10) [17092] GDO Coils
by n2tpa@juno.com (Bill d Lazure)
- 11) [17093] n0glm in San Jose
by "Preston Buck" <pbuck@infoblvd.net>
- 12) [17094] Re: HB QSL cards
by "Preston Buck" <pbuck@infoblvd.net>
- 13) [17095] Re: Quotation Verbosity Monitor Report
by Ab7wy@aol.com
- 14) [17096] Re: Early lunch / 10m / and grid square LOC
by Bruce Ratray <ratray@gpfn.sk.ca>
- 15) [17097] Re: Quotation Verbosity Monitor Report
by Bruce Ratray <ratray@gpfn.sk.ca>
- 16) [17098] Re: Quotation Verbosity Monitor Report
by "Vincent Ferme" <vferme@sprint.ca>
- 17) [17099] Re: Solar 8-6 & Geomagnetic Storm
by Jack Parker <Pparker@greatbasin.net>
- 18) [17100] Re: Quotation Verbosity Monitor Report
by Ab7wy@aol.com
- 19) [17101] 20 Meter antenna THAT WORKS

- by RangerSF5@aol.com
- 20) [17102] Re: Grid Square
by w4pj@w4bkx.ampr.org
- 21) [17103] MFJ 6m rig VFO?
by Chris Cieslak <ccieslak@LAW.UIUC.EDU>
- 22) [17104] Old Dog and New Trick
by w4pj@w4bkx.ampr.org
- 23) [17105] Austin Meeting Directions
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 24) [17106] 38 Special Filter Mod?
by tracy@orlando.com (Tracy)
- 25) [17107] FOUND:Dave AB0GO
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 26) [17108] Re: 38 Special Filter Mod?
by Paul Harden <pharden@aoc.nrao.edu>
- 27) [17109] Re: Grid Square
by "KA5T Larry Wise" <lewise@inetport.com>
- 28) [17110] Elmer 101: LMC662CN substitution great!
by PGSPersEng@aol.com
- 29) [17111] K8IQY 2N2/40
by Brad Mugleston <bmug@gwl.com>
- 30) [17112] MIME Format
by Brad Mugleston <bmug@gwl.com>
- 31) [17113] Questions - Pauls book
by Brad Mugleston <bmug@gwl.com>
- 32) [17114] re:Sweepstakes
by Jay Bromley <w5jay@alltel.net>
- 33) [17115] Fwd: A portable antenna THAT WORKS
by RangerSF5@aol.com
- 34) [17116] Sorry but.....
by RangerSF5@aol.com
- 35) [17117] R1 Questions
by tracy@orlando.com (Tracy)
- 36) [17118] 18MHz Open last night
by tracy@orlando.com (Tracy)
- 37) [17119] Float Charger
by Dave Willey <dave@cds1.net>
- 38) [17120] Re: Toroid-less final amps?
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 39) [17121] Re: Quotation Verbosity Monitor Report
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 40) [17122] Re: MIME Format
by "Bill Todd" <bill@willapabay.org>
- 41) [17123] Re: Quotation Verbosity Monitor Report
by aa5yx@juno.com (John Harper)
- 42) [17124] Brad Mugleston <bmug@gwl.com>: K8IQY 2N2/40
by n2tpa@juno.com (Bill d Lazure)
- 43) [17125] Re: Suggestions for DC receiver enhancement?

by Leon Heller <leon@lfheller.demon.co.uk>
44) [17126] Re: K8IQY 2N2/40
by Leon Heller <leon@lfheller.demon.co.uk>
45) [17127] Re: R1 Questions
by Leon Heller <leon@lfheller.demon.co.uk>
46) [17128] Re: Solar 8-6 & Geomagnetic Storm
by mikemo@ibm.net
47) [17129] Re: London
by "John J. McDonough" <jjmcd@tm.net>
48) [17130] Wire Size and Material
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
49) [17131] Stamps for RIT Mod
by w4bld@juno.com
50) [17132] Re: K8IQY 2N2/40
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
51) [17133] FS Gusher 20-20 Antennas
by Joseph Everhart <n2cx@voicenet.com>
52) [17134] 10 meters/17 meters
by jaywa5whn@juno.com
53) [17135] NON-QRP: Quotation Verbosity Monitor Report
by "." <hapence@erols.com>
54) [17136] Re: MIME Format
by "John J. McDonough" <jjmcd@tm.net>
55) [17137] Island hopping results, SSB QRP
by Jim <kj5tf@madisoncounty.net>
56) [17138] Re: Sorry but.....
by "George T. Baker" <w5yr@swbell.net>
57) [17139] Re: Sorry but.....
by RangerSF5@AOL.COM
58) [17140] FS: HW8 & HW9
by "Charles O. Henderson" <5400@email.msn.com>
59) [17141] VA2FRU not allowed uploads
by RangerSF5@aol.com
60) [17142] Re: Questions - Pauls book
by Paul Harden <pharden@aoc.nrao.edu>
61) [17143] QRP on 17m
by Jay Bromley <w5jay@alltel.net>
62) [17144] Radio Habana Cuba
by n4so@juno.com (charles k brown)
63) [17145] For Sale / QRPTTF theme?
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
64) [17146] Multibanding loop antennas???
by bob evinger <revinger@marshallonline.com>
65) [17147] Re: Multibanding loop antennas???
by "Walter Dufrain" <walter@inlink.com>
66) [17148] Iowa QRP
by John Burnley <JBurnley@ifmc.org>
67) [17149] multiband loops.

- by Bernie Doehner <bad@uhf.wireless.net>
- 68) [17150] Re: R1 Questions
by Leon Heller <leon@lfheller.demon.co.uk>
- 69) [17151] Change of Address
by mwattcpa@earthlink.net (Marty Watt)
- 70) [17152] Re: multiband loops.
by "Walter Dufrain" <walter@inlink.com>
- 71) [17153] Re: QRP Items for Sale
by Shannon Dew <shannon@mindspring.com>
- 72) [17154] QRP items for Sale
by Dave Sjolín <sjolin@swbell.net>
- 73) [17155] Making a 'Cootie' Key
by "Lisa & Chris McCormack" <mccormac@ma.ultranet.com>
- 74) [17156] FS: ARK30, TAC-1(40m), RAC Counter/digital dial
by nilsbull@juno.com (Nils R Young)
- 75) [17157] Re: Quotation Verbosity Monitor Report
by mwattcpa@earthlink.net
- 76) [17158] Need Schematic for HW-7
by Ken Graham <k5id@ipa.net>

Date: Fri, 7 Aug 1998 17:11:58 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [17083] Re: Solar 8-6 & Geomagnetic Storm
Message-ID: <1.5.4.16.19980807171008.1a7f8886@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My origin is from approx. 23W and 64N where we boil our coffee water on the Aurora Borealis and Rhubarb is considered tropical fruit. It is always and I repeat, always, impressive to see them dancing across the sky on a clear quiet winter night. Do you know that one can actually hear them.

72/73 de Niels
VE6NJK/TF3NJ

>Date: Fri, 7 Aug 1998 10:45:54 -0600 (MDT)

>For those of us living out in the desert around 32 degrees N latitude,
>we're dying from ENVY. It is indeed a VERY rare occurrence to see the
>northern lights here ... and when it does occur, it is usually no more
>than an indistinct reddish glow on the northern horizon. Many of us
>would love to see an auroral display someday. So treasure your
>experience ... not everyone gets to enjoy that.

>

>Some of us are jealous :-)
>
>72, Paul NA5N
>
>(But we do have lightning storms that are a close second!)
>
>
>
>

Date: Fri, 07 Aug 1998 16:21:20 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [17084] Re: Suggestions for DC receiver enhancement?
Message-ID: <19980807232120.29646.qmail@hotmail.com>
Content-Type: text/plain

Dale Botkin (dbotkin@probe.net) wrote about his OHR Sprint 40:

> (snip...) Only problem is, the DC receiver has some
> prodigiously wide bandwidth and all the normal problems
> you'd expect with a receiver of its type...I also have a
> built but unused R2 receiver board. Would I be better off
> using it for a receiver instead of the Sprint...

Personally, I don't tolerate "all the normal problems".

The R2 will run rings around almost all receivers, home-brew or not, but the current consumption is heavy (100 mA), which may not work well with the rest of the radio.

I'd suggest playing with the R2 to see what is possible, then building a mini R2, or using the R2 lessons to build something small but interesting - I have receivers kicking around my shack that are essentially a mini R1, with the simplified mini R2 diplexer and NE5532 headphone-only output.

Having building blocks like these can come in handy, like the time I improvised a ramp generator (555 + NE5532, swiped from Horowitz and Hill), fed the output to a Mini Circuits VCO that just happened to have kicking around (minimum orders are a great excuse for ordering things like this :-),

fed the output to the mini R1 LO input, and hooked the sweep and audio outputs to my scope. Presto: direct conversion spectrum analyzer. Crummy, but it worked, and told me what I wanted to know...

BTW: I note a writeup on mixers in Technical Topics, RadCom, July 1998. With the demise of the SL6440 and the low IP3 numbers of the NE602 and its derivatives, people are looking at other ways of making mixers. Switching mixers show promise: I've played with 74HC4066-based mixers myself at low HF, have a couple of SD5000s waiting for the dust to settle so I can play with them, and lust after Fairchild's new, yummy-looking FST3125/3126 bus switches.

The latter are listed on Fairchild's web page under "new products", but all the links to the information appear to be broken... :-(

Laura Halliday VE7LDH "Laisse le vent tout emporter..."
Grid: CN88hk IOTA: NA036 - Foly/Viennet

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Date: Fri, 07 Aug 1998 19:05:52
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [17085] Re: Toroid-less final amps?
Message-ID: <3.0.3.16.19980807190552.2e2796f0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> Traditional non-linear amplifiers (requiring output
> filters involving inductors) are hard to beat

qrp quote :-)

Correct me if I'm wrong, but don't ALL amplifiers and oscillators produce harmonics? Class A produce the least amount of harmonics, but they are there. Push -Pull Class AB suppress even harmonics, but still produce odd ones. (very odd..)

A tuned circuit in an oscillator or amplifier output will considerably reduce harmonic content. The nice thing about torroids is that we can make these tuned curcuits considerably smaller at HF than with air wound coils.

One option for our friends down in Columbia might be to salvage ferrite slugs from IF cans in junk AM/FM radios (got CB radios down there? Another part source) to make the coils for low level stages and use a tapped air wound with link coupled output for the final. (Use the ferrite ant core?) Also, 10.7 Mhz IF cans can be used as is at 7 Mhz with an extra cap. With each stage tuned to the operating frequency, the need for a low pass would be all but eliminated.....

Here's a builder's contest challange, build a funcitonal qrp rig using only parts salvaged from junk consumer electronics, but we may want to exclude CB sets as being an unfair advantage...(Hummm, our Cuben friends might have a head start on us with this one..)

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 07 Aug 1998 18:57:04 -0500
From: Wayne Alexander <walexander@wwn.net>
To: w4pj@w4bkx.ampr.org
Cc: qrp-l@Lehigh.EDU
Subject: [17086] Re: Early lunch / 10m / and grid square LOC
Message-ID: <3.0.3.32.19980807185704.006aabec@pop.wwn.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Hello, I was on my lunch today and did not hear one signal. I am in Springfield, Mo. You said you heard W0ERE. I know him and he lives about 20 miles from me. Well maybe one of these days I will catch a fox. Have a great day.

<paraindent><param>out</param>73

</paraindent>KB0PTE

Wayne

QRP-L #1058

FISTS # 4907

(CW, What a feeling!)

Date: Fri, 7 Aug 1998 20:06:36 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [17087] Re: Solar 8-6 & Geomagnetic Storm
Message-ID: <7e303959.35cb968d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i agree pat...i was at an R. Carlos Nakai concert in Summerlin,NV. the temperature was perfect, the music was spiritual, the stars were bright...and off in the distance the full moon was rising up from behind a thundercloud, lightning flashing and all. i was taken aback at how awesome this all was. my wife (who is native-american) was very moved as well.....amid all this, i though for a split second....."hmm..wonder how 40 is doing...oops" :-)

73/72....Adam, AB7WY

Date: Fri, 07 Aug 1998 20:55:15 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [17088] Re: Toroid-less final amps?
Message-ID: <35CBA1F3.5748@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The advantage of toroids is the self-shielding inductors, which simplify layout hassles tremendously.

One rarely used technique is to use lots of coaxial cable to separate the circuits with distance so they don't interact. Square feet, as opposed to square inches, may be required.

Lots of little metal boxes also work--Zack W1VT FN33kd

Date: Fri, 7 Aug 1998 19:50:39 cdt
From: wj5o@juno.com (William H. Hays)
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU
Subject: [17089] GDO
Message-ID: <19980807.195040.15718.0.WJ50@juno.com>

Hi All,
I found a 115 Volt Millen Grid Dip Meter at a swap.
Type 90651
I need some info since it came without any coils.
Glad to pay for copy & mailing
73 Bill WJ50

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 Aug 1998 20:31:43 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [17090] Quotation Verbosity Monitor Report
Message-ID: <19980807.205354.7686.0.N2TPA@juno.com>

Fellow QRPers,

If I may place a vote FOR wasting bandwidth. When someone references a message in there reply, I find it handy to have that original message quoted. My memory was the SECOND thing to go in my years (I won't EVEN go into the first!!!!). If I can't remember the original message, the reply be comes quite meaningless. Although It eats bandwidth, quoting the original message adds much more meaning to the reply.

N2TPA
Bill Lazure
Syracuse, NY

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 Aug 1998 20:59:15 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [17091] Got MY Badge today!
Message-ID: <19980807.211119.7686.2.N2TPA@juno.com>

Witchess Sandra,

Since you're the person the letter went to, you get the grateful reply! I got the NORCAL QRP Zombie badge today. I was sitting at work today thinking "Gee, if I get the badge today I can wear it tomorrow at the hamfest; should be quite a hit". What TIMING!

I'll be wearing it tomorrow at the Dryden (NY) hamfest. I'ts spectacular. Thank You.

73,
Bill Lazure
N2TPA
Syracuse, NY

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 Aug 1998 21:11:17 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [17092] GDO Coils
Message-ID: <19980807.211119.7686.3.N2TPA@juno.com>

Bill,

I inherited my grandfather's Knight GDO several years back: also without coils. All of the searching in the world could turn up no coil set. So I simply used the same connector type as the original and Homebrewed a set.

If the original connector is two pins, Simply wind 20 to 50 turns

between the two pins of your homebrew. You'll need to be inventive about what becomes the coil forms. In my case, I worked with a photograaphy buff who let me take six of his empty plastic 35mm film containers. Anyhow, wind the turns, fire it up, and give a listen on your receiver. Hint: the lowest frequency you hear should be the GDO's operating frequency. The others are probably harmonics.

If the original is three pins, you'll have to look at the schematic to tell which pin is the tap. Shouldn't be too hard. The tap is the feedback input. The other two windings should be "ground" and tied to the Gate/Base/Grid?? (probably through a capacitor). Make the tap 25 to 40% up from the "grounded" end of the coil, and proceed.

From there, you have a starting place to wind the rest of the coils. It may not be good as new, but should work.

Bill Lazure
N2TPA
"Homebrew is Cool"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 Aug 1998 21:24:27 -0400
From: "Preston Buck" <pbuck@infoblvd.net>
To: <qrp-1@Lehigh.EDU>
Subject: [17093] n0g1m in San Jose
Message-ID: <000701bdc26b\$60564e40\$bb805495@dragon-ship>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QST to hams in San Jose, CA.

I will be in San Jose next week for a WDM conference from Monday night to Thursday night. So if you would like to get for dinner one evening for an eyeball QSO, drop me an e-mail. Of course, I haven't had any QRP QSOs with CA yet. :-)

Use this e-mail address until Sunday, then use my work e-mail (buckpd@corning.com) since I will be taking my laptop to keep up with work. Gee, I remember travelling before laptops and they were almost like holidays.

73

Preston, n0g1m, Southern NY state

Date: Fri, 7 Aug 1998 21:19:50 -0400
From: "Preston Buck" <pbuck@infoblvd.net>
To: <qrp-1@Lehigh.EDU>
Subject: [17094] Re: HB QSL cards
Message-ID: <000601bdc26b\$5f5c0fc0\$bb805495@dragon-ship>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings all,

I also made some QSL cards in word except that I made four 3.5 x 5.5 boxes to use as QSL cards. Inserted the report from Shep's web site along with my call and address etc. Then I found some interesting pictures and clipart for them. The most interesting piece was a drawing my 9 year old daughter of "Dad at the Radio". Scanned it in and shrunk to fit.

Printed 30 copies on 80# cover stock for \$4.05 for 120 QSL cards. And if I want to change things its no big deal. If anybody would like the format, I can remove the images (which make the file big) and e-mail the file. Just send me a private e-mail.

73

Preston, Southern NY State

Date: Fri, 7 Aug 1998 21:32:43 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [17095] Re: Quotation Verbosity Monitor Report
Message-ID: <aeb7899c.35cbaabc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-07 21:03:53 EDT,N2TPA wrote:

<< When someone
references a message in there reply, I find it handy to have that
original message quoted. >>

i agree, i personally dont see the harm in reposting messages. it gives me
a reference to various replies...and it keeps a more solid connection in
threads for different subjects. i will second that vote!

respectfully submitted
Adam, AB7WY.....72

Date: Fri, 7 Aug 1998 19:50:15 -0600 (CST)
From: Bruce Rattray <ratttray@gpfn.sk.ca>
To: Wayne Alexander <walexander@wwn.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17096] Re: Early lunch / 10m / and grid square LOC
Message-ID: <Pine.SOL.3.91.980807194832.3040A-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That's ok Wayne...I've been listening since the start and no foxii heard
or caught so far...BUT I did hear 10 mtr activity a few days ago for the
first time so there's hope...hi hi...even called on the designated ssb
freqs and no replies....but it will happen sooner or later...72 -
Bruce(VE5RC+VE5QRP)

Date: Fri, 7 Aug 1998 19:59:23 -0600 (CST)
From: Bruce Rattray <ratttray@gpfn.sk.ca>
To: Ab7wy@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17097] Re: Quotation Verbosity Monitor Report
Message-ID: <Pine.SOL.3.91.980807195312.3040B-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Quite often I include the message and edit in my replies beside each
point that I want to comment on as it gives me a nice continuity...and
yes, I have memory problems here too...HI HI...the other thing I do is to
print the message and using the hardcopy, make up my reply from that

printed message which avoids including the original message in my reply.....and sometimes the message is short enough that I don't need it to make a reply....so it's a mixed bag for me but I will abide by the majority... one thing I don't know well enough is from the listowners point of view and that is does the TOTAL bandwidth produce a problem?....72 - Bruce(VE5RC+VE5QRP)

Date: Fri, 7 Aug 1998 22:03:59 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [17098] Re: Quotation Verbosity Monitor Report
Message-ID: <00e201bdc270\$cf626620\$c71205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think we are exaggerating a bit here. What I hope was said is that quotation should be related to the reply. These are unavoidable if people are to understand what the exchange is all about. Not everybody may have seen the original post.

The problem happens when an entire message is quoted, when only the paragraph or lines being commented on or replied to would do. I remember one case some time ago, it may not have been on QRP-L, that the posting included the previous day digest. Now, this is a waste of bandwidth.

The other problem happens with accounts such as from Juno, for example. Please, I am not criticizing Juno users. Juno adds a tagline at the end of every message which it's not always deleted by the person replying. If another Juno user happens to reply to that same message without deleting the tagline you get a second identical tagline.

The same applies to subscribers with "proprietary" taglines. Again, no criticism. Just delete the tagline when replying.

73/72 de Vince, VE3VFN.

Date: Fri, 07 Aug 1998 19:16:44 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU

Subject: [17099] Re: Solar 8-6 & Geomagnetic Storm
Message-ID: <3.0.1.32.19980807191644.00695ee8@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:45 AM 8/7/98 -0600, you wrote:

<major snip>

Many of us
>would love to see an auroral display someday. So treasure your
>experience ... not everyone gets to enjoy that.
>
>Some of us are jealous :-)
>
>72, Paul NA5N
>
>(But we do have lightning storms that are a close second!)
>

During the sunspot peak of '80/'81 I was working into WI/IL/IN/MI from ND when the band (2-meters) went dead to the south and I began working VE4/5/6/7! Went outside and saw the auroral curtain overhead and slightly to the *south* of my Bismarck QTH. I think that was better than NM lightning :>)

Jack, W7PW

Date: Fri, 7 Aug 1998 22:19:19 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [17100] Re: Quotation Verbosity Monitor Report
Message-ID: <bf1e1cae.35cbb5a8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-07 22:05:52 EDT, you write:

<<

The problem happens when an entire message is quoted, when only the paragraph
or

lines being commented on or replied to would do. >>

like this? thanks for the clarification, that makes a bit more sense. i agree with this much more...i also dont like to read an entire post just to be left searching for what the reply is in reference to. ok, new vote. im for quoting a line or two, not the new york times. this will make it much easier on us to understand the thread and save bandwidth at the same time.

vy 73 de Adam, AB7WY

Date: Fri, 7 Aug 1998 22:42:43 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU, qrp@qth.net
Subject: [17101] 20 Meter antenna THAT WORKS
Message-ID: <7a0fabdf.35cbbb27@aol.com>
Mime-Version: 1.0
Content-type: multipart/mixed;
boundary="part0_902544166_boundary"

This is a multi-part message in MIME format.

--part0_902544166_boundary
Content-ID: <0_902544166@inet_out.mail.aol.com.1>
Content-type: text/plain; charset=US-ASCII

--part0_902544166_boundary
Content-ID: <0_902544166@inet_out.mail.aol.com.2>
Content-type: message/rfc822
Content-transfer-encoding: 7bit
Content-disposition: inline

Return-Path: <>
Received: from relay07.mx.aol.com (relay07.mail.aol.com [172.31.109.7]) by
air19.mail.aol.com (v47.2) with SMTP; Fri, 07 Aug 1998 22:37:48 -0400
Received: from imo28.mx.aol.com (imo28.mx.aol.com [198.81.17.72])
by relay07.mx.aol.com (8.8.8/8.8.5/AOL-4.0.0)
with ESMTP id WAA09744 for <RangerSF5@aol.com>;
Fri, 7 Aug 1998 22:37:48 -0400 (EDT)
Received: from localhost (localhost)
by imo28.mx.aol.com (8.8.8/8.7.3/AOL-2.0.0)
with internal id WAA29438;
Fri, 7 Aug 1998 22:37:48 -0400 (EDT)
Date: Fri, 7 Aug 1998 22:37:48 -0400 (EDT)
From: Mail Delivery Subsystem <MAILER-DAEMON@aol.com>
Subject: Returned mail: User unknown
Message-Id: <199808080237.WAA29438@imo28.mx.aol.com>

To: RangerSF5@aol.com
Auto-Submitted: auto-generated (failure)
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The original message was received at Fri, 7 Aug 1998 22:36:49 -0400 (EDT)
from root@localhost

----- The following addresses had permanent fatal errors -----
qrp-1@lehigh.EDU.qrp@qth.net

----- Transcript of session follows -----
... while talking to ns3.qth.net.:
>>> RCPT To:<qrp-1@lehigh.EDU.qrp@qth.net>
<<< 551 <qrp-1@lehigh.EDU.qrp@qth.net>... we do not relay
550 qrp-1@lehigh.EDU.qrp@qth.net... User unknown

----- Original message follows -----

Received: from RangerSF5@aol.com
by imo28.mx.aol.com (IM0v14_b1.1) id QHLUa17154;
Fri, 7 Aug 1998 22:36:49 +2000 (EDT)
From: <RangerSF5@aol.com>
Return-path: <RangerSF5@aol.com>
Message-ID: <3cd7fd44.35cbb9c2@aol.com>
Date: Fri, 7 Aug 1998 22:36:49 EDT
To: CW@qth.net, qrp-1@lehigh.EDU.qrp@qth.net, antennas@qth.net
Mime-Version: 1.0
Subject: A portable antenna THAT WORKS
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
X-Mailer: AOL 3.0 16-bit for Windows sub 38

Hi Gang

Today I put together a portable antenna I saw in the OCT 73 ham Radio Mag.
Parts needed are two 2.1/2" long pvc pipe, 1.1/8" dia.

I used the outside threaded nipple type and it makes it very easy for the
windings to stay in place.

I'll try my best at this drawing.

51"

o-----0-----
//////////-----0

31T #22 wire for the coils Feed point-----^

Length of wire between the center feed point and the coil is 48 " but not
critical

>From the coil down, I made the wire 60 inches long and pruned it down to a
flat SWR and that measurement came out to 51 inches.

I strung it up on the roof appx 4 ft from the surface and fed it with coax from a 900 MHZ cell phone. I listened on the very early MFJ rig and was able to hear many qrp stations.

I heard N6AW and gave him a shot under deep qsb conditions.

He sent back qrz?

I resent my call with /qrp and he gave me a 559.

After that,I tuned around as the band was going down the tubes(no pun untended).

I decided to see what the SWR was on the hi end of the band.

I hooked it up to the qro rig and at 14.120 the SWR was still only 1.8/1@5 WATTS

Because the band conditions were very bad,it was hard to compare between the full half wave and this short coil loaded homebrew antenna.

However,since the N6AW station heard me and gave me a 559 I think this will be my back pack antenna.

Just about 17 feet long and the whole CW band plus with no tuner.

I think the best way to build this antenna is to cut it for the SSB part of the band and then add wire using phono jacks to make the ends longer.

Then prune the extended part for the CW band.

Now you have a good short,light weight antenna for both SSB and CW.

GL

Bob

WA2HOQ

--part0_902544166_boundary--

Date: Fri, 07 Aug 1998 23:09:45 EDT

From: w4pj@w4bkx.ampr.org

To: qrp-l@Lehigh.EDU

Subject: [17102] Re: Grid Square

Message-ID: <16547@w4bkx.ampr.org>

"Ken and linda" sez they dunno about Grid Squares.

Well, I dunno either, but, I figure if its gonna be a usual thing, I can get used to it. In fact, I'm sure it wouldn't take long to figure out. I can't hear an accent on here. But on SSB... No problem. EL to FN - from here to New England... Easy to tell!

I also know where FN is... by "osmosis" as my Mother would say. In time I'd know where DM04 is with no hesitation. Areas inbetween...same thing!

What say, Y'all?

de W4PJ / Scott Ft. Lauderdale, FL #1585

P.S. In the mean time, why not give your city/state
somewhere in your message?

Date: Fri, 7 Aug 1998 22:13:53 -0500
From: Chris Cieslak <ccieslak@LAW.UIUC.EDU>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [17103] MFJ 6m rig VFO?
Message-ID: <9171552F3022D1118B9F00805FFEB54601485F04@law-mail.law.uiuc.edu>
MIME-Version: 1.0
Content-Type: text/plain

Does anyone have a schematic of the MFJ 9406 6m SSB rig, or know what
frequency the VFO runs at? I would like to hook up a digital display to
it.

thanks, chris aa9hd

chris cieslak AA9HD * ccieslak@uiuc.edu * www.chriscieslak.com
senior, advertising, university of illinois
network administration minion, college of law
"It was only a couple of flipper babies!" --Scott Thompson

Date: Fri, 07 Aug 1998 23:12:20 EDT
From: w4pj@w4bkkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [17104] Old Dog and New Trick
Message-ID: <16550@w4bkkx.ampr.org>

Well, I did it again... Posted a message and didn't follow my own advice.

===== FWD=====

"Ken and linda" sez they dunno about Grid Squares.
Well, I dunno either, but, I figure if its gonna be a
usual thing, I can get used to it. In fact, I'm sure
it wouldn't take long to figure out. I can't hear an
accent on here. But on SSB... No problem. EL to FN -
from here to New England... Easy to tell!
I also know where FN is... by "osmosis" as my
Mother would say. In time I'd know where DM04 is with
no hesitation. Areas inbetween...same thing!

What say, Y'all?

de W4PJ / Scott Ft. Lauderdale, FL #1585

P.S. In the mean time, why not give your city/state
somewhere in your message?

=====end FWD =====
de W4PJ / Scott #1585 EL96vd Ft. Lauderdale, FL

Date: Sat, 8 Aug 1998 04:30:51 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [17105] Austin Meeting Directions
Message-ID: <199808080330.EAA01798@chuck.dallas.sgi.com>

Gang,

2233 W. North Loop, Luby's Cafeteria. Can someone
email me ASCII directions before 7:30 a.m.? I
thought I printed off the web page, but it didn't
make it home with me. :-)

dit dit

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sat, 8 Aug 1998 00:32:51 -0400
From: tracy@orlando.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [17106] 38 Special Filter Mod?
Message-ID: <002e01bdc285\$9a58ed40\$83241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was reading through the 38 Special manual (trades are great - thanks!) and
noticed that there is a trace designated to cut for a 'Filter Mod' that is

designated 'Reserved.'

Is there any information on this mod, or was it just a thought?

Tracy N4LGH

QRP-L #1453

Date: Sat, 8 Aug 1998 00:13:26 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [17107] FOUND:Dave AB0GO
Message-ID: <199808080016_MC2-556F-9880@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Snagged Dave AB0GO tonight. He was as loud as 559 at times.....but QSB
took him down to 439 at one point.

Rig here was SST-20 at just under 2 watts to an Inverted WYE taped to an
SD-20 sitting in our side garden. No tuner needed. Power was from a
2.7ah rechargeable motorcycle battery by Batteries Plus. Keyer was
Whiterook MK-88.

He expects to be back on there tomorrow evening from 0200-0300Z. Go get
him on 14.060, everyone. I hope to be back then also, but will be
portable near Appleton, WI. I may switch to unmodified Sierra for the
outing.

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Fri, 7 Aug 1998 22:36:05 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>
To: Tracy <tracy@orlando.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17108] Re: 38 Special Filter Mod?
Message-ID: <Pine.SOL.3.91.980807222038.14893B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 8 Aug 1998, Tracy wrote:

> I was reading through the 38 Special manual (trades are great - thanks!) and
> noticed that there is a trace designated to cut for a 'Filter Mod' that is
> designated 'Reserved.'
>
> Is there any information on this mod, or was it just a thought?

Ori's original 38-S design included the single crystal filter as provided on the board, or a two crystal version that requires winding a toroid, where the center tap is grounded and a crystal on top and bottom lead, with variable cap in one leg to balance it. Works fairly well, but not for the weak of heart.

If you are interested in beefing up the crystal filter in the 38-S, I suggest adding one or two crystals in typical ladder arrangement, on the circuit side of the board. Make C10 around 200pF and add another 39-51pF to shunt the last crystal.

My original 38-S tests shows the single crystal affords acceptable bandwidth, but the opposite side band rejection was only about 6-8dB down (meaning you can hear the station on both sides of zero beat). Two crystals increased this to around 12-15dB, and a third crystal knocked the USB rejection down to -20dB (if I remember right) for decent single-signal reception. Of course this all depends on how close the crystals are matched and the final capacitor values used.

MORAL OF THE STORY is to add another crystal or two to vastly improve the USB rejection, but it's not neccessary for improving the filter selectivity ... most of that is done in the CW audio filter anyway.

GL, Paul NA5N

Date: Sat, 08 Aug 1998 03:20:05 -0500
From: "KA5T Larry Wise" <lewise@inetport.com>

To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [17109] Re: Grid Square
Message-ID: <199808080443.XAA16573@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I like the idea of grid squares for QRP work. For those of us, like me, who aren't familiar with them, I am sure we would keep those grid square maps, available from the ARRL, close to the operating desk.....

Larry KA5T

Date: Sat, 8 Aug 1998 00:43:27 EDT
From: PGSPersEng@aol.com
To: qrp-1@Lehigh.EDU
Subject: [17110] Elmer 101: LMC662CN substitution great!
Message-ID: <21756034.35cbd770@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I swapped out the op amp and put in the new chip (thanks to Paul, WV3J). The headphones oscillated, so I changed the parallel wiring to series wiring, and the impedance change seems to have done the trick. The rig runs FB. And not only does my Rx current drop to near 10 mA, the headphone squeal upon power-off has disappeared, as well.

I also built in a Tick-2 (gotta get another one to put in the now-empty socket on my 38 Special) because my hand keying was so stinking lousy!!

With all these mods, it's one super little rig that will travel very well.

Paul, AA1MI

Date: Fri, 7 Aug 1998 20:10:56 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [17111] K8IQY 2N2/40

Message-ID: <01BDC255.164D1100.bmug@gwl.com>

We've had lots of rain here in Colorado so I've been able to sit down and look at the parts needed for the new radio we are getting ready to build. Having a lot of time on my hand I put it all into a spreadsheet (it wasn't so hard I just cut the listing from the Digest and dropped it into Excel. Did a little parsing and I was all set to go).

Using the Mouser and TechAmerica catalogs (we have a TechAmerica here in town) I looked every part up and made a list. They both carry about the same parts and the prices are comparable (no shipping for me from TechAmerica but I do have tax).

This process brought back memories as a teenager and wanting to build some of the things I found in current magazines. Most of these memories are those of frustration - I could find most of the parts but not all or the description of the parts wasn't sufficient for the uneducated to really tell what to look for.

Well its back and I have some questions - BIG difference is I have about 2,000+ friends I can ask so here goes.

Neither catalog lists Silver Mica caps - what other names should I look for?

Diodes D7 - D9 (MVAM109 & MV2115) are not listed in either catalog. Both have crystals but more than one option other than size - do I want Series or 20pF?

Thanks for any help you can give me. BTW, I can email my spreadsheet to anyone who wants it (as long as you send me changes/corrections you find/make). If the requests are big enough I could cut and past into ASCII format and post to the list.

Thanks everyone, I think I'm really going to like this project.

de KB0ROL, Brad

Date: Fri, 7 Aug 1998 19:58:01 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Cc: "'sjolin@swbell.net'" <sjolin@swbell.net>, "'hk4bmg@epm.net.co'" <hk4bmg@epm.net.co>
Subject: [17112] MIME Format
Message-ID: <01BDC255.0A93A9A0.bmug@gwl.com>

Guys I get the Digest mode and there seems to be a BIG increase in the number of messages sent in modes other than ASCII (MIME, HTML etc.) Two real big ones in the latest Digest (1175) were Minibeam Geometry Basics and RF Output stage for 40M looked like they would be very interesting to read but they are 80% garbage (intermixed with the words).

For those of you who have one of the newest and greatest email readers you see beautiful colored, fancy typed emails. For those of us using older (a year or so) or simpler Email services (JUNO) or get it in the digest mode get a lot of stuff.

If you don't know if you could be sending a bad message try to send a nice message to this group and then go out and grab a copy of the digest. Look at it and you'll see what a lot of us see.

Thanks

de KBØROL, Brad

Date: Fri, 7 Aug 1998 20:30:51 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [17113] Questions - Pauls book
Message-ID: <01BDC255.265734E0.bmug@gw1.com>

I've been going through Paul Hardens Data Book again. This time I decided to do all the math and make sure I knew what was going on (lots of rain here in town). I'm still working on the front-end, Paul starts out real well with demo's on the math but I don't quite see how a 50 ohm signal fed between two caps will output 1500 ohms but the math works. I also don't quite see how a signal going through an L-C circuit gets filtered the way it does (only thing I can guess is anything outside the bandpass filter is shorted to the ground leaving the desire signal to pass on to the rest of the radio).

I start to get lost at the 2nd tuned circuit (got real far didn't I) What are the caps I need to look at to calculate the frequency of resonance (I think that is what I'm looking for).

OK, now how about the Q of the L-C networks. Paul talks about them but guess I don't have enough background to calculate it.

For those of you who don't have Pauls book, get it. Even if you don't u

nderstand it you'll enjoy reading it. He does explain things really well and I suppose if I had more of a background (or time to look everything up) I could understand it all.

Thanks

de KB0ROL, Brad

Date: Sat, 08 Aug 1998 00:01:43 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17114] re:Sweepstakes
Message-ID: <35CBDBB7.C2425BDD@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Congratulation to Tim K50I on being the winner in the New Mexico section on both CW and Phone.

Tim, I got the plaque and certificate for the Delta division QRP SSB Sweepstakes. This was my first Sweepstakes contest. A local at our Saturday breakfast challenged me by saying that you could do all that QRP stuff with CW but, a station using SSB at 5 watts wouldn't be very effective (Ever notice there are QRP experts who have never used QRP?). Wish I could remember who that guy was so I could thank him. Anyway that same Saturday I heard the ARRL SSB Sweepstakes on and thought I would give it a go, for the fun of it. As some of you know I am a single father and between my son's basketball games, work, ect, I did the best I could.

The certificate is very nice but, the plaque is beautiful. After showing the plaque to some of my contesting friends has them now toying with the idea of going QRP on the next contest. These guys are very good contesters and they have a lot of awards but, no plaques on their walls. I hope I can give them a run for their money if they give it a try. I have some wall space left and I am pretty greedy. It will be good for them and I don't think it will be as easy as they think!

Seriously folks I have a lot of different interest in Ham Radio and I have to say I got more neat surprises using QRP than all the other modes of operation that I use. When Doug Hendricks was giving out the QRP Hall of Fame Awards at Dayton, I was thinking to myself how neat it would be to get a nice award like that. Little did I know while I was

at Dayton that the QST just came out that same week with the scores and winners. Well I will never be in the Hall of Fame like Wayne Burdick or Chuck Adams but, looking at these QRP awards on the wall makes me feel like I am.

Many thanks to all that worked me and hope to see you this year in the Sweeps!!

just Jay..

73 de w5jay or

Fort Smith, AR.

Date: Sat, 8 Aug 1998 01:05:31 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [17115] Fwd: A portable antenna THAT WORKS
Message-ID: <584215f4.35cbdc9c@aol.com>
Mime-Version: 1.0
Content-type: multipart/mixed;
boundary="part0_902552731_boundary"

This is a multi-part message in MIME format.

--part0_902552731_boundary
Content-ID: <0_902552731@inet_out.mail.aol.com.1>
Content-type: text/plain; charset=US-ASCII

--part0_902552731_boundary
Content-ID: <0_902552731@inet_out.mail.aol.com.2>
Content-type: message/rfc822
Content-transfer-encoding: 7bit
Content-disposition: inline

From: RangerSF5@aol.com
Return-path: <RangerSF5@aol.com>
To: CW@qth.net, qrp-1@lehigh.EDU.qrp@qth.net, antennas@qth.net
Subject: A portable antenna THAT WORKS
Date: Fri, 7 Aug 1998 22:36:49 EDT
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

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Parts needed are two 2.1/2" long pvc pipe, 1.1/8" dia.

I used the outside threaded nipple type and it makes it very easy for the
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I'll try my best at this drawing.

51"

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Length of wire between the center feed point and the coil is 48 " but not
critical

>From the coil down, I made the wire 60 inches long and pruned it down to a
flat SWR and that measurement came out to 51 inches.

I strung it up on the roof appx 4 ft from the surface and fed it with coax
from a 900 MHZ cell phone. I listened on the very early MFJ rig and was able
to hear many qrp stations.

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He sent back qrz?

I resent my call with /qrp and he gave me a 559.

After that, I tuned around as the band was going down the tubes(no pun
intended).

I decided to see what the SWR was on the hi end of the band.

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Because the band conditions were very bad, it was hard to compare between the
full half wave and this short coil loaded homebrew antenna.

However, since the N6AW station heard me and gave me a 559 I think this will be
my back pack antenna.

Just about 17 feet long and the whole CW band plus with no tuner.

I think the best way to build this antenna is to cut it for the SSB part of
the band and then add wire using phono jacks to make the ends longer.

Then prune the extended part for the CW band.

Now you have a good short, light weight antenna for both SSB and CW.

GL

Bob

WA2HOQ

--part0_902552731_boundary--

Date: Sat, 8 Aug 1998 01:23:46 EDT

From: RangerSF5@aol.com

To: qrp-l@Lehigh.EDU

Subject: [17116] Sorry but.....

Message-ID: <ad126e09.35cbe0e4@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hey gang
I'm sorry about the way the drawing of the antenna came out.
It's not the way I sent it through the system.
So far I had several request on more detailed info.
If you run win.95 or anything that can open *TIF* image files,*E* mail direct
and i'll upload them to you
Bob
WA2HOQ

Date: Sat, 8 Aug 1998 01:51:52 -0400
From: tracy@orlando.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [17117] R1 Questions
Message-ID: <003501bdc290\$a42af600\$83241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm ate up with this again ... it's been ten years since I got into homebrew
...

The R1 I have draws a bit too much current ... it also has low audio out.
This would be the right symptoms if there were an oscillation on the board?

Is there a mod for the R1 that deals with oscillations? Sure like to read
about it, may be the source of my problem.

This is great!
Tracy N4LGH
QRP-L #1453

Date: Sat, 8 Aug 1998 01:58:49 -0400
From: tracy@orlando.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [17118] 18MHz Open last night
Message-ID: <003601bdc291\$9d02e120\$83241ad1@titan>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

At about 10:15pm Eastern time on 18.145 (appx) I heard several ZL stations working a 2 station stateside. I was on the 40 meter Picnic Table, so I could not attempt to contact them. Even with the mismatch, they were giving me 5x9 signals with S meter readings of over 4. (SSB)

Fifteen meters was absolutely dead, while seventeen was absolutely going nuts... guess the MUF was just around there? Several cw stations calling qrp cq ... The band was clean, strong and uncluttered. Seems like a place we need to infect! grin.

I'm going to build an antenna for 18 MHz now that I've been stoked!!
Tracy N4LGH
QRP-L #1453

Date: Fri, 07 Aug 1998 23:18:02 -0700
From: Dave Willey <dave@cds1.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: weightdn@bright.net
Subject: [17119] Float Charger
Message-ID: <35CBED9A.2B9E@cds1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Date: Tue, 4 Aug 1998 21:26:30 -0400
>From: "Mike Rhodes" <weightdn@bright.net>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: 12 Volt Float Charger \$9.99

>Just thought this item might be of interest to some of the group.

><http://www.harborfreight.com/cpi/taf/DisplayItem.taf?Itemnumber=37137>

>72 de
>Mike / W8DN

Hi Mike,

Just an aside. My employer has a sister company that sells the identical float charger under another brand name. I made the mistake of buying one several months before someone on this list posted info that about Harbor Freight selling them @ \$9.95.

First I paid over \$40 EMPLOYEE COST for this beast. Hate to see what it lists for in the marine catalogs!

Used it in a home-brew fold up solar panel. Put a plug / connector between the wall wart and the smaller cube that is the regulator. Now I can go AC or solar & maintain/charge the 12V 7Ah gel cell.

Those who attended the last two Norcal meeting saw it The fold up panel. I know pictures of it were taken, however the Norcal webpage meeting reports haven't been updated since June. Oh well, there goes my ten seconds of fame.... :~)

Second, This thing works really nice. I'd pay \$9.95 just for the regulator. It's made to maintain already charged batteries (I believe) from 5Ah to 250Ah during times of non-use. But they will charge SMALL gel cells of the 3 - 7 AH range nicely. Then it will keep 'em "topped up" for that imprompt to run to the moutain top.

Here's where I put the usual "YADA - YADA - YADA" 'about not being related to anyone or anything. Well at least not to Harbor Freight anyway.

72 all,

Dave - KD6KWM

--

To send a reply please remove "NOJUNKMAIL" from the return address, and replace "AT" with "@"

Dave Willey

e-mail:	dave AT cds1.net
amateur e-mail:	kd6kwm AT cds1.net
amateur packet:	KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--

QRP-L #1567

Date: Fri, 7 Aug 1998 23:05:10 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17120] Re: Toroid-less final amps?
Message-ID: <Pine.LNX.3.96.980807230230.29637C-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Aug 1998, Zack Lau wrote:

> One rarely used technique is to use lots of coaxial cable to
> separate the circuits with distance so they don't interact.
> Square feet, as opposed to square inches, may be required.

Personally, I wouldn't have a problem with this, myself. It's the losses in the cables that would be the problem. :)

Besides, if I'm not mistaken, the best way to handle transception of stuff in the SHF and EHF range is indeed this very technique. But then, circuit elements are small enough at those frequencies that you can get away with cubic inches, instead of square feet.

But then....I'm babbling. :D

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
=====
```

Date: Sat, 8 Aug 1998 00:27:40 -0700
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [17121] Re: Quotation Verbosity Monitor Report
Message-ID: <19980808072801.TNAX10941@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I'm not advocating sedition, but there are times when repeating such information is essential to understanding the message.
I find too little info much more bothersome than too much info (i.e. when someone repods to the entire list to tell Joe Ham 'you're wrong about

that, Joe,' and then goes on to say something else that only Joe and the writer remember the original post). In fact, I'd guess the rest of us have a hard time remembering the the entire text in the 50-to-100 odd e-mails that come across the transom every day let alone remember which was was written by Joe,or Tom, Dick, Harry, etc..

I'm far more bothered by people who insist on forwarding giant files such as THE ARRL BULLETIN, or AMATEUR RADIO NEWSLINE, than I am the required lines for clarity. If Newsline or the Bulletin have something interesting -- I wish people would paraphrase and tell me the url, and if I'm interested, I'll go read it myself.

This is not a flame, just a few thoughts. Best 73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html> w6rcl@amsat.org

Date: Sat, 8 Aug 1998 00:43:05 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <bmug@gwl.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [17122] Re: MIME Format
Message-ID: <004401bdc2a0\$33b68f00\$1d4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Brad Mugleston <bmug@gwl.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, August 07, 1998 9:58 PM
Subject: MIME Format

>Guys I get the Digest mode and there seems to be a BIG increase in the
>number of messages sent in modes other than ASCII (MIME, HTML etc.)

I agree Brad!

I see people like you send out these messages from time to time about

abnormally large posts with useless information contained in them. Add to that the posts about people reprinting ENTIRE messages when replying.

Perhaps we need to offer technical help to those QRPers who do not KNOW how to change their E-mail program to stop these practices. Heck - it beats me.

CUL, Bill-N7MFB

Date: Sat, 08 Aug 1998 05:36:29 EDT
From: aa5yx@juno.com (John Harper)
To: qrp-l@Lehigh.EDU
Subject: [17123] Re: Quotation Verbosity Monitor Report
Message-ID: <19980808.053529.4783.0.AA5YX@juno.com>

On Sat, 8 Aug 1998 00:27:40 -0700 "Alan Kaul W6RCL"
<alan.kaul@worldnet.att.net> writes:

>I'm far more bothered by people who insist on forwarding giant files
>such
>as THE ARRL BULLETIN, or AMATEUR RADIO NEWSLINE,

Me too, but at least they are "on -topic".

We have recently had posts/threads on the list regarding Windows 98 problems, how to remove postage stamps from cards and several others that have nothing to do with QRP ham radio. Both of these questions would be more appropriately asked elsewhere but are "justified" by the person making the post by the comment "This isn't QRP, but I know someone here can answer this..."!

Every email posted to this list gets reflected to hundreds of hams in dozens of countries. They (we) subscribed to the list to learn/contribute to topics directly related to QRP ham radio. If we want a high noise level, we go to the newsgroups.

My \$00.02 worth,

John Harper AA5YX/2 in NJ
<http://home.att.net/~j..harper>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 8 Aug 1998 05:48:46 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [17124] Brad Mugleston <bmug@gwl.com>: K8IQY 2N2/40
Message-ID: <19980808.054848.7686.1.N2TPA@juno.com>

Brad,

I used to live in Colo. Springs a few years ago. There was a place called "OEM Electronics" that carried uncommon parts like the Silver Mica Caps and the Varactors.

I used them often, AND they offered a ham discount.

If you are, as I assume, in Denver, it's only about a 45 minute drive for you.

Bill Lazure
N2TPA
Syracuse, NY

"From: Brad Mugleston <bmug@gwl.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: K8IQY 2N2/40
Well its back and I have some questions - BIG difference is I have about 2,000+ friends I can ask so here goes.
Neither catalog lists Silver Mica caps - what other names should I look for?
Diodes D7 - D9 (MVAM109 & MV2115) are not listed in either catalog."
de KB0ROL, Brad
----- End forwarded message -----

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 8 Aug 1998 08:54:46 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: marsgal42@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [17125] Re: Suggestions for DC receiver enhancement?
Message-ID: <DVT0jFAGRAz1EwVn@lfheller.demon.co.uk>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=iso-8859-1

In message <19980807232120.29646.qmail@hotmail.com>, laura halliday
<marsgal42@hotmail.com> writes

[deleted]

>low HF, have a couple of SD5000s waiting for the dust to
>settle so I can play with them, and lust after Fairchild's
>new, yummy-looking FST3125/3126 bus switches.
>
>The latter are listed on Fairchild's web page under "new
>products", but all the links to the information appear to
>be broken... :-(

Farnell has the FST3125 in stock, for about =A31.30 each. I found the data
on the Fairchild web site a couple of weeks ago.

Leon

--=20

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 8 Aug 1998 09:15:39 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17126] Re: K8IQY 2N2/40
Message-ID: <zFY4XTArkAz1EwyI@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <01BDC255.164D1100.bmug@gwl.com>, Brad Mugleston
<bmug@gwl.com> writes

>Neither catalog lists Silver Mica caps - what other names should I look
>for?
>Diodes D7 - D9 (MVAM109 & MV2115) are not listed in either catalog.
>Both have crystals but more than one option other than size - do I want

>Series or 20pF?

Farnell stocks silver mica caps. from 2.2pF to 4700 pF. They are expensive, of course.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 8 Aug 1998 09:11:04 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: tracy@orlando.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17127] Re: R1 Questions
Message-ID: <w1k4bMAYgAz1Eww1@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <003501bdc290\$a42af600\$83241ad1@titan>, Tracy
<tracy@orlando.com> writes
>I'm ate up with this again ... it's been ten years since I got into homebrew
>...
>
>The R1 I have draws a bit too much current ... it also has low audio out.
>This would be the right symptoms if there were an oscillation on the board?
>
>Is there a mod for the R1 that deals with oscillations? Sure like to read
>about it, may be the source of my problem.

My Rx based on the R1/R2 doesn't have any problems, and is very untidy.
I just use an op-amp to drive headphones or a DSP. Have you tried
disconnecting the output stage and using another amp? If it's taking a
lot of current, it must be the output stage, the rest of it takes
virtually nothing. Or, you could try reducing the current to about 20 mA
with the bias pot. It should still work, and should show if the problem
is with the output stage.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850

DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 08 Aug 1998 07:52:32 -0400
From: mikemo@ibm.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17128] Re: Solar 8-6 & Geomagnetic Storm
Message-ID: <35CC3C00.4145@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jack Parker wrote:

> Went outside and saw the auroral curtain overhead and slightly
> to the *south* of my Bismarck QTH.

In 1990 we actually had a display here in florida. It was quite unimpressive as compared to some of the video I've seen from up in the Great White North, but cool just the same. The sky had a red-ish pink glow that seemed to fade and shift ever so slightly. I couldn't figure out what it was until I saw the morning paper that described the unusual display as "northern lights". I still have the article somewhere.

Oh yeah, we get plenty of lightning too ;-)

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Sat, 8 Aug 1998 08:29:01 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <Dick@kanga.demon.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [17129] Re: London
Message-ID: <199808081223.3857400@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Dick Pascoe <Dick@kanga.demon.co.uk>; owner-qrp-1@Lehigh.EDU
>
> Tea, American tea is not the best!

I'm not the biggest fan of tea, but in spite of having a reputation for the worst food in the world, there are a few things from the UK worthwhile:

- They have a lot of really nice candies, many of which you can't get here
- There are 2 breakfast sausages, more popular in Ireland but available in England, called Black Pudding and White Pudding which are really nice.
- Shortbread
- British beer ain't all that shabby, either

72/73 de WB8RCR
didileydadidah

Date: Sat, 8 Aug 1998 08:09:07 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [17130] Wire Size and Material
Message-ID: <Pine.GS0.3.96.980808080016.24254A-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some recent discussions about the potential losses of stainless steel in some antenna applications and the renewed availability of phosphor bronze as an antenna material resulted mixed reviews in each case.

So I did a little modeling at the threshold of wire thinness at which significant losses or changes of performance begin to show up among materials. The notes may useful as a method by which anyone can check out various materials on antenna modeling programs to determine if a material meets whatever antenna performance specifications or standards that one sets for a proposed structure. The notes are not THE answer, since there is no such thing. But for any given proposed antenna, there is an answer suited to the project that one can generate with a little modeling on any of the programs--MININEC or NEC.

The notes are located in the "Lower HF" collection, second entry, since the threshold level mostly apply to thinner wire antennas. I hope they are useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \ / \ \	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html			

Date: Sat, 8 Aug 1998 09:07:59 -0300
 From: w4bld@juno.com
 To: RangerSF5@aol.com
 Cc: qrp-1@Lehigh.EDU
 Subject: [17131] Stamps for RIT Mod
 Message-ID: <19980808.090823.3294.22.w4bld@juno.com>

They will go today.....I just got busy. I sent three. Thanks, Bob
 Robert B. Kerby - W4BLD
 PO Box 991 (231 Rosser Avenue)
 Waynesboro, VA 22980
 (540) 942-4356
 (I collect Gonset, Morow and Elmac)

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Date: Sat, 08 Aug 1998 10:01:51 -0400
 From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
 To: bmug@gwl.com
 Cc: qrp-1@Lehigh.EDU
 Subject: [17132] Re: K8IQY 2N2/40
 Message-ID: <3.0.1.32.19980808100151.0068d71c@mail49.mci2000.com>
 MIME-version: 1.0
 Content-type: text/plain; charset="us-ascii"

Hi Brad.....

>At 08:10 PM 8/7/98 -0600, you wrote:
 >

>Neither catalog lists Silver Mica caps - what other names should I look
>for?

Mouser has SM caps in the latest catalog (#594) on page
236. They're not cheap, but then the design doesn't take
very many. You could also use NPO caps with very little
extra loss, and much cheaper. Might have to parallel two
values to get the required final value.

>Diodes D7 - D9 (MVAM109 & MV2115) are not listed in either catalog.
Unfortunately, Motorola varicaps are not available from either
source. I got mine from Allied. Maybe Dave Benson could share
his source for varicaps. He uses a MV 1662 in the SWXX+ rigs.

>Both have crystals but more than one option other than size - do I want
>Series or 20pF?

You want the "series" version.

>

>Thanks for any help you can give me.

Glad to provide my share! :-)

>BTW, I can email my spreadsheet to

>anyone who wants it (as long as you send me changes/corrections you

>find/make). If the requests are big enough I could cut and past into ASCII

>format and post to the list.

I'd like it for comparison to the parts list I am preparing for
Mouser for the "2N2 Parts Kit" project I am working on. Thanks
for the offer.

72 and GL.....Jim, K8IQY

Date: Sat, 8 Aug 1998 10:15:35 -0400
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [17133] FS Gusher 20-20 Antennas
Message-ID: <199808081415.KAA52554@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

Please excuse the bandwidth for the following. If you are not interested
press <DELETE> now!

PVC Gusher 20-20 Economy QRP Portable Antenna

- o Designed especially for your favorite 20 meter portable rig
- o High-efficiency dipole design
- o Use as inverted vee - requires only **one** elevated support.
- o Weighs less than 16 ounces
- o Packed in a high-quality reusable zipper-lock plastic bag
 - o Just throw in in a back-pack or carry in your coat pocket
- o QRP-ready - already cut for 14.06 MHz
 - o Ready to use with no adjustments or bother
- o One-piece design
 - o Weather-proof sealed center insulator with support line eye
 - o 35 feet of minimum weight RG-174 coax cable and BNC connector
- o Low cost - completely assembled and shipped for only \$20.00 (US)
(\$25.00 outside US)

Club special - order 10 or more and get a 10% discount!

For additional info on this or any of the Gusher antennas contact:

n2cx@voicenet.com

or write to

Joe Everhart, N2CX
214 New Jersey Rd
Brooklawn, NJ 08030

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Sat, 8 Aug 1998 08:25:58 -0600

From: jaywa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [17134] 10 meters/17 meters
Message-ID: <19980808.082604.3270.0.jaywa5whn@juno.com>

@ 0200 UTC on 8, August I had asked if 28.440 MHz USB was busy. I was tuning the 10 meter mobile antenna. A mobile station from Colorado, another strong signal from ND, and another from Neb. {N0UB - Mac} had said "No, it's yours." I was stunned. BTW, all of us could copy each other, with a bit of QSB. Mac said that he was copying signals from northern California, but I could not hear them. Nice little round table {QRP} for 20 minutes.

17 meters has been absolutely phenomenal. Essentially, a very quiet 20 meters late into the evening {0400 UTC}. Lots of Pacific stations S-4+ & occasionally a few African stations calling CQ. I would bet that 17 meters is open all night from North America. I need to print out some MUF predictions off of the local DX Packet Cluster. What a great tool.

Ready for Bubba ? Just a few weeks left. <http://www.dancris.com/~ki7mn/>
click on contests for 30, August 1998, or email Joe {AB7TT,
vole@primenet.com}. A true in the field melt down type of operation.
;-)

72...Bubba Jay, WA5WHN
DM65qd { Albuquerque, NM USA, along the Rio Grande }

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 08 Aug 1998 10:28:30 -0400
From: "." <hapence@erols.com>
To: aa5yx@juno.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [17135] NON-QRP: Quotation Verbosity Monitor Report
Message-ID: <199808081428.KAA28391@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

80808 1010VAT

How about:

Every subject line beginning w/QRP or NON-QRP - an easy filter for individuals and the Digest.

Members using individual addresses when responding to one person, instead of 'shotgunning' to the world w/QRP-L@LEHIGH.EDU. We all know what Andy said about every one getting 15 seconds of fame but for some this has become ridiculous.

The "Moderator" setting forth a few simple rules, such as above, and enforcing them. Perhaps republishing the rules one a month would help as a reminder to old and new w/short memorizes..

In the meantime restraint on the part of the 'fame seekers and NON-QRP babblers' would be much appreciated.

Permission to repost is not granted.

Grover KQ4AL

At 05:36 98/08/08 -0400, John Harper wrote:

>On Sat, 8 Aug 1998 00:27:40 -0700 "Alan Kaul W6RCL"

><alan.kaul@worldnet.att.net> writes:

>

>>I'm far more bothered by people who insist on forwarding giant files

>>such

>>as THE ARRL BULLETIN, or AMATEUR RADIO NEWSLINE,

>

>

>Me too, but at least they are "on -topic".

>

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>problems, how to remove postage stamps from cards and several others that

>have nothing to do with QRP ham radio. Both of these questions would be

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>making the post by the comment "This isn't QRP, but I know someone here

>can answer this..."!

>

>Every email posted to this list gets reflected to hundreds of hams in

>dozens of countries. They (we) subscribed to the list to learn/contribute

>to topics directly related to QRP ham radio. If we want a high noise

>level, we go to the newsgroups.

>

>My \$00.02 worth,

>

>John Harper AA5YX/2 in NJ
><<http://home.att.net/%7Ej..harper>><http://home.att.net/~j..harper>

>

>

>-----
>You don't need to buy Internet access to use free Internet e-mail.

>Get completely free e-mail from Juno at

<<http://www.juno.com/>><http://www.juno.com>

>Or call Juno at (800) 654-JUNO [654-5866]

>

Date: Sat, 8 Aug 1998 13:37:16 -0400

From: "John J. McDonough" <jjmcd@tm.net>

To: <bill@willapabay.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [17136] Re: MIME Format

Message-ID: <199808081509.3873100@is1.tm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

> From: Bill Todd <bill@willapabay.org>; owner-qrp-l@Lehigh.EDU

>

> Perhaps we need to offer technical help to those QRPers who do not KNOW
how

> to change their E-mail program to stop these practices. Heck - it beats
me.

Actually, in most cases it's pretty simple.

The Microsoft mailers have a menu choice (Format) that allows you to select between 'Plain Text' and 'HTML'. Simply select 'Plain Text'. If you attach anything (with the paper clip button) then you get MIME. In Exchange, your address book includes a check box in the addressees 'Properties' that allows you to force plain text to a particular recipient. Do this for QRP-L.

These can be a little confusing because if you use special formatting on the message, you see it on screen, but it won't be sent with the mail message.

Some other mailers, at least Eudora Gold and Navigator 4 automatically switch to a multipart MIME message whenever you format text, so simply don't bold, underline, select fonts or colors, etc.

72/73 de WB8RCR
didileydadidah

Date: Sat, 08 Aug 1998 10:55:33 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-1@Lehigh.EDU
Subject: [17137] Island hopping results, SSB QRP
Message-ID: <35CC74F5.3FAA@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yesterday the 7th I set-up my gear on Rocky Branch island, on Beaver lake Arkansas. I swam ashore with the Ten Tec 525D, 35AH marine btry, 40M Hamstick and 20M dipole. Operation was from 21:00-23:00Z. I made most of my contacts on 20M qualifying the island for US Islands awards program as AR-04L.
Last week I qualified Choke Cherry isl. as AR-03L.

Running 50w I was getting 5x5-59's over most of the USA/Canada. I would ask the stns who sent me 5x7-59 reports if I could go to QRP and my reports would drop to 5x5's. Several stns would drop there power to 5w and we made the QRPx2 QS0. SSB at 5 watts with poor/fair band condx isnt allot of fun when your on a expeition.
When bands condx are better I'm sure 10w SSB into a dipole in a 30' tree will do fine.

I'm getting ready for the US Islands contest this month on the 15/16th. See the Aug. QST or the webpage. <http://www.eng.mu.edu/~usi/>

Thanks to those who tried to work me yesterday, the band wasnt very good and too much QSB. But we will have better days ahead, more islands to activate, and another couple months of decent WX for boating/island hopping in Arkansas. 72/3'z de Jim AR QRP #2

Date: Sat, 08 Aug 1998 11:07:26 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: RangerSF5@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [17138] Re: Sorry but.....

Message-ID: <35CC77BE.8106EDA8@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob, I followed the diagram ok, but you lost me in talking about
<quote>2.1/2" <unquote> lengths of PVC. Surely you meant 2-1/2 feet?

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas)

RangerSF5@aol.com wrote:

>
> Hey gang
> I'm sorry about the way the drawing of the antenna came out.

Date: Sat, 8 Aug 1998 12:28:07 EDT
From: RangerSF5@AOL.COM
To: w5yr@swbell.net, qrp-l@Lehigh.EDU
Subject: [17139] Re: Sorry but.....
Message-ID: <c63c163e.35cc7c99@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-08 12:07:32 EDT, you write:

<< Subj: Re: Sorry but.....
Date: 98-08-08 12:07:32 EDT
From: w5yr@swbell.net (George T. Baker)
Reply-to: w5yr@swbell.net
To: RangerSF5@aol.com
CC: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
>>

Hi george,
No it's only 2 and a half inches for the coil stock and 31 Turns of wire.
That what makes this antenna so good.
Small size, light weight coils
Bob
WA2HOQ

Date: Sat, 8 Aug 1998 11:38:25 -0500
From: "Charles O. Henderson" <5400@email.msn.com>
To: <qrp-1@Lehigh.EDU>
Subject: [17140] FS: HW8 & HW9
Message-ID: <01f901bdc2ea\$f78eab20\$311afed0@hp-customer>

Happy to report that the HW8 & HW9 that were listed for sale last week to the highest bidder have been sold. Many thanks for your interest and responses.

Date: Sat, 8 Aug 1998 12:43:29 EDT
From: RangerSF5@aol.com
To: va2fru@amsat.org, qrp-1@Lehigh.EDU
Subject: [17141] VA2FRU not allowed uploads
Message-ID: <12663564.35cc8032@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Sorry patrick
But your Country will not allow atached files to go through.
Just follow the instructions that I sent and you can build it.
It's very easy
Bob
WA2HQQ

Date: Sat, 8 Aug 1998 10:54:01 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Brad Mugleston <bmug@gw1.com>
Cc: qrp-1@Lehigh.EDU
Subject: [17142] Re: Questions - Pauls book
Message-ID: <Pine.SOL.3.91.980808103324.3445A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad,
On the split-capacitor input on an L-C network, remember, caps in series are calculated as if they are in parallel ... so it is their

parallel equivalent that tunes the circuit to resonance ($C1 \cdot C2 / (C1 + C2)$). As to how the RF signal moves around, think of the two capacitors as a simple voltage divider ... some of it will develop across C1, the rest across C2. Thus the equation showing the square root of Z_{in}/Z_{out} is the same as the equation used to calculate the ratio of a voltage divider ... you're just using AC impedance here instead of DC resistance.

To save a bunch of math, the RIGHT HAND rule is to make C1 about 1/5th of C2 (the ratio of converting 50 ohms to 1500 ohms). Since the input impedance of most active devices, such as the NE602, is around 1500 ohms, this 1-to-5 ratio will work for most applications.

In the case of the MFJ input L-C filters, the inductor is variable, so you tune the circuit to resonance by varying the inductor. If you are making the L-C circuit with say a toroid, then the circuit is tuned to resonance by placing a small trimmer cap across either C1 or C2.

The purpose of such L-C tuned circuits between the receive antenna input and the first mixer is to form a band-pass filter centered on the frequency your receiver is at (such as 7 MHz). This is to attenuate strong signals that may exist nearby ... or even several MHz away, that could mix with your local oscillator and produce images in the mixer. If these images occur around the IF frequency, they can swamp out the weak signal you are trying to work, or if strong enough, they can cause your mixer (especially if an NE602) to go into gain compression, which cause another set of problems that destroys the sensitivity of the receiver.

This is especially important on 30M (10.1 MHz) where you have very powerful international broadcast stations in the 9.5-10MHz range. Even though you can't hear them, their strong signals ARE getting into your mixer without trying to attenuate them.

Hope this helps some explain what the input LC networks are about.

GL, Paul NA5N

Date: Sat, 08 Aug 1998 11:57:10 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17143] QRP on 17m
Message-ID: <35CC8366.571CCE8E@alltel.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang I am on with KF3B on 17m---- 18.135.
I am using 1w-5w pep if any would like to join us and need AR

73 de

w5jay..

Date: Sat, 08 Aug 1998 13:00:50 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [17144] Radio Habana Cuba
Message-ID: <19980808.165656.4831.6.n4so@juno.com>

"DXers Unlimited" program on Radio Habana Cuba
0130Z 9820 khz AM 13605 khz SSB 6000 khz AM.
Saturday evenings local time and repeated on Tuesdays local time.

KEN BROWN N4SO
QRP-L #622/Near Mobile, AL EM50tk
n4so@juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 08 Aug 1998 17:07:39 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [17145] For Sale / QRPTTF theme?
Message-ID: <3.0.16.19980808170702.30070192@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This always happens. I go to Dayton, buy a few things, use

them once or twice (or not at all), and set them aside.
I'm starting a couple rather ambitious antenna projects, so
a couple non-qrp things will have to go. As always, I like
to give the good folks here on qrp-l first refusal.

Two Alinco DJ-190TD 2m handhelds. New - bought them from
Tech America at Dayton this year. These are *not* the teeny-
weeny handhelds, but they are small enough. This is the 191
without the touch tone pad. LCD readout, CTCSS encode, cloning feature,
136-174 receive, etc, etc. Comes with alkaline battery pack, and
4 fresh alkaline batteries. Give me a list of your favorite 2m
frequencies, and I'll program it for you. I planned on using these
extensively on hiking trails this summer, but it never happened.
\$105 ea. shipping included CONUS.

Now, regarding QRP matters, was the QRPTTF theme decided on
at Ft. Tuthill?

I'm still hoping for a /MM theme.

tu zut de Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 8 Aug 1998 12:56:07 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-l@Lehigh.EDU
Subject: [17146] Multibanding loop antennas???
Message-ID: <Pine.LNX.3.96.980808125045.542A-100000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been doing lots of antenna work the last 2 months. I have installed
to 45 foot towers about 35 feet apart. I would like to have positioned
them farther but didnt want the coax loss and power loss, one has a 300
watt wind generator on it. My delima is this. I have a 40 and an 80
meter dipole but I want to put a loop(s) up for one of the higher bands
between the 2 towers, I am having trouble deciding which band to put it
up for and was wondering if anyone had any experience with feeding
multiple loops with a single feed line. I have used succesfully in the
past the multi band dipole with one coax and up to 4 different dipoles
hanging but never seen anyone mention doing this with a loop.

Comments/suggestions?????

bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com
WD9EKA | Marshall, IL 62441 |

Date: Sat, 8 Aug 1998 13:26:13 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: <revinger@marshallonline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [17147] Re: Multibanding loop antennas???
Message-ID: <199808081828.NAA32681@thor.inlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bob, I have had very good luck feeding multi-banding deltas and quads by coax or 450 ohm twinlead to the largest loop, then from the feedpoint to the next smaller loop, use 300 or 450 twinlead with a 180 degree twist so you are reversing the feed points. The preference is 450 ohm ladderline (stranded wire) since it seems to last longer in the air than the solid 450 ladderline for breakage.

You didn't mention tuned systems or using a tuner, but a tuner is used here to QSY from CW to SSB on the lower bands. If you are using 20 mtrs and up you may not need a tuner.

I would like to mention that some folks that have been worked over the years have fed their multi-band quad / loops with coax and then coax between the different loops, but they all took the time to reverse the coax to each different loop. Only one station has ever mentioned feeding the smallest loop first.

Good luck and let us know how the new antenna farm works out !

72 / 73 Walter Dufrain, AG5P Wright City, Missouri

<<snip>>

>wondering if anyone had any experience with feeding
> multiple loops with a single feed line. I have used succesfully in the
> past the multi band dipole with one coax and up to 4 different dipoles

Date: Sat, 08 Aug 1998 13:33:52 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-l@Lehigh.EDU
Subject: [17148] Iowa QRP
Message-ID: <s5cc53e2.013@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

This is just a reminder that the Iowa QRP Club will have a table at the Summerfest '98 in Amana, Iowa to promote low power operations. Summerfest '98 is this Sunday August 9, 1998 in Amana, Iowa. The club will have several rigs on display as well as other items.

The club will be giving away (as our grand prize) an autographed copy of Paul Harden's 'Electronic Data Book for Homebrewers and QRPers' which was generously donated to us by Paul (NA5N). We will also have some MFJ mugs (donated by MFJ) as door prizes. The Tick-EMB keyer kit (donated by Embedded Research) will also be on display. The keyer kit will be the grand prize for a 'soon to be announced' building contest for members.

We will also have information/literature for NorCal, QRP ARCI, Kanga US, Emtech, MFJ, Wilderness Radio, MFJ 90's newsletter, Embedded Research, G-QRP Club, and Ten Tec. We will also be selling some goodies (QQ back issues etc.) for ARCI. If any other clubs or vendors would like their information displayed at future events, just send me an Email.

There will be a gathering for lunch at the Brickhaus at 12:30. I'll have directions at the table or Email me (before Sunday) at my home account burnley-ia@worldnet.att.net. The Brickhaus comes highly recommended from several members.

Hope to CU in Amana!

72/73, John NU0V

!

Date: Sat, 8 Aug 1998 11:39:38 -0700 (PDT)
From: Bernie Doehner <bad@uhf.wireless.net>
To: qrp-l@Lehigh.EDU
Subject: [17149] multiband loops.
Message-ID: <Pine.BSF.3.96.980808113604.616B-100000@uhf.wireless.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob,Walter, et. al.:

On the multiband lops "thread" you mention 180 degree phase shifts, starting with the largest loop working towards the smallest.

Don't quite understand, since technicaly a loop is supposed to be a "balanced" 75 ohmish load, and it shouldn't make any difference how one connects to each of the loops, or does this 180 degree "phase" shift between next size loops somehow eliminate their influence on each other?

Thanks.
Bernie

Date: Sat, 8 Aug 1998 11:21:27 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: leon@lfheller.demon.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17150] Re: R1 Questions
Message-ID: <KHLWnPAnaCz1EwVr@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <w1k4bMAYgAz1Ewwl@lfheller.demon.co.uk>, Leon Heller <leon@lfheller.demon.co.uk> writes
>In message <003501bdc290\$a42af600\$83241ad1@titan>, Tracy <tracy@orlando.com> writes

>>I'm ate up with this again ... it's been ten years since I got into homebrew
>>...
>>
>>The R1 I have draws a bit too much current ... it also has low audio out.
>>This would be the right symptoms if there were an oscillation on the board?
>>
>>Is there a mod for the R1 that deals with oscillations? Sure like to read
>>about it, may be the source of my problem.
>
>My Rx based on the R1/R2 doesn't have any problems, and is very untidy.
>I just use an op-amp to drive headphones or a DSP. Have you tried
>disconnecting the output stage and using another amp? If it's taking a
>lot of current, it must be the output stage, the rest of it takes
>virtually nothing. Or, you could try reducing the current to about 20 mA
>with the bias pot. It should still work, and should show if the problem
>is with the output stage.

Further to the above - having the speaker leads near the inductors on
the R2 can cause feedback. This would be worth checking.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 08 Aug 1998 19:35:57 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-l@Lehigh.EDU
Subject: [17151] Change of Address
Message-ID: <35cca7e0.5967406@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Where are change of address (email) for QRPP/NorCal and QRP =
Quarterly/ARCI
sent?

Tnx ...

--

72 es 73 de Marty, KM7W

Memphis, Tennessee <http://home.earthlink.net/~mwattcpa>
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

Date: Sat, 8 Aug 1998 14:42:26 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: <bad@uhf.wireless.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [17152] Re: multiband loops.
Message-ID: <199808081944.0AA07883@thor.inlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Bernie, Bob, etal; yes, the loops have interaction with each other and it seems to me, that they are much easier to get tuned with the 180 degree flip of the feedline between loops.

If working with a tuned loop & feedline, my best and quickest fix is to start with the smallest loop adjustment and work toward the largest loop. There is a loading effect between the loops. This is how I started using a 40 meter loop with clip-on extensions for the 80 / 75 meter band with the St. Louis Loop. And it turned out to be just as effective as an 80 mtr dipole at the same height.

The vertical mounted loops (delta) here are all above 100 ohms, (115 to 160 ohms) but that's another thread in itself on getting the correct resonance formula instead of the old cut and try style.

72 / 73 Walter Dufrain, AG5P Wright City, Missouri
-----<<snipped>>
or does this 180 degree "phase" shift
> between next size loops somehow eliminate their influence on each other?
> Thanks.
> Bernie
>

Date: Sat, 08 Aug 1998 17:46:06 -0400
From: Shannon Dew <shannon@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [17153] Re: QRP Items for Sale
Message-ID: <35CCC71E.79C16F2@mindspring.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Dave,

Do you still have the 38 special kit for sale, and if so, could you possibly hold it until this coming Friday (the all-powerful payday...). I tried your email address, but getting an error when sending to your mail server...

Thanks,
Shannon
KB0JKW/4

Date: Sat, 08 Aug 1998 17:03:15 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [17154] QRP items for Sale
Message-ID: <35CCCB23.9E051078@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone who has been attempting to reach me about my posting yesterday, my mail service is down, supposedly temporarily. It has been down all day.

Please forgive the wait. I will get back to you as soon as your messages get to me. Server has been down at least nine hours and they dont know when it will be repaired. How is that for serviec? Avoid SW Bell like the plague. It only goes down when I post a For sale notice. Did it six mnoths ago also.

73 de Dave, N0IT

Harry Brown wrote:

>
> Dave,
>
> I'd like the 2M transverter.

>
> Check sent last monday for the 222 transverter.
>
> 73, Harry, W3IIT
> =====
>
> At 11:13 AM 8/7/98 -0500, you wrote:
> >I have the following items for sale:
> >
> >1. Down East Microwave two meter transverter 144/28 25 watts.
> > \$230 plus shipping.
> >
> >2. Special Kenwood cable (have 2) for DEM transverter (TIC-KEN).
> > \$10 plus shipping.
> >
> >3. MFJ 9406x 6m SSB transceiver with microphone. \$160 plus shipping.
> > \$175 plus shipping with CW adaptor (SEE BELOW)
> >
> >4. NFJ 416 CW adaptor for MFJ 9406x (new in box) \$20 plus shipping.
> >
> >5. Icom IC-24AT muti-band HT Icom BC-80 deskcharger. Three battery
> > packs. UT-50 tone squelch. \$275 plus shipping.
> >
> >If interested, please contact via email. Thanks for reading.
> >73 de Dave, N0IT
> >-----
> >Submissions: vhf@w6yx.stanford.edu
> >Subscription/removal requests: vhf-request@w6yx.stanford.edu
> >Human list administrator: vhf-approval@w6yx.stanford.edu
> >
> >
>
>
Communicator\Program\edpref32.dll
>
>
> Beacons at 50.080, 144.284, 222.065, 432.295, 903.071, 1,296.251, 2,304.037,
3456.220, 5,760.200 and 10,368.200 MHz from FM29JW

Date: Sat, 8 Aug 1998 18:23:22 BST
From: "Lisa & Chris McCormack" <mccormac@ma.ultranet.com>
To: qrp-1@Lehigh.EDU
Subject: [17155] Making a 'Cootie' Key
Message-ID: <199808082224.SAA02248@antiochus-fe0.ultra.net>
Content-type: text/plain

Content-transfer-encoding: 7bit

I had fun reading "The Art of Side-Swiping" by Jerry Bartachek (kd0ca) available on the morsex.com site. Now that the author has sold me on trying an alternative keyer, can anyone point me to a reference on building my own. (I have the prerequisite hacksaw blade standing by.)

Date: Sat, 8 Aug 1998 17:50:18 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [17156] FS: ARK30, TAC-1(40m), RAC Counter/digital dial
Message-ID: <19980808.175109.6526.0.nilsbull@juno.com>

Gang,

I am trying to get back to rational thinking about this radio stuff. Too many radios. Too many little boxes. Too many wires hangin' out of the back of the cheapo power supply.

So . . . The following items are up for grabs:

BK172 six-digit Frequency Counter/digital dial from Radio Adventures Corp

This is the same unit as the OHR DD1, but of earlier & different manufacture.

There's a three way switch on the back to shift between memories 6 & 7.

Complete: case/box, counter, book, operation notes

\$50 shipped US/Canada

ARK30 from S&S Engineering

Solid built, butt-kickin' 30m radio with push-button tuning, 100 Hz resolution.

Built in TiCK keyer (Rig covers tx/rx 10.000 MHz - 10.299 MHz) w/ RIT

Modifications: front panel mono headphone jack (cuts off speaker)
back panel is nonstandard, but sturdy

aluminum with these

modifications: connex: BNC (ant), key,
paddles, 13vDC

one push-button

(keys rig)

one push-button

(TiCK control button)

Missing the tilt-up bale/handle doodad
All manuals & literature
Price: \$180 shipped US/Canada

TAC-1(40m) from S&S Engineering

Clean, solid 40m CW rig with knob digital tuning & LCD display, 100
Hz resolution

Built in S&S Keyer part of controller. (Rig covers tx/rx 7.000-7.200
MHz) w/ RIT

Modifications: stock back panel has these mods: speaker on/off toggle
switch,

the top cover, grill cloth

push button (keys rig). Speaker added to

matches case color.

All manuals & literature

Price: \$150 shipped US/Canada

Call me at 937 849-0113. The machine will take your call if I don't. The
machine will date/time mark your call if I don't. Or you can gamble &
email me directly (nilsbull@juno.com).

Third caller or earliest email, whichever comes first.

Now back to your normal stuff . . . I got a floor to find.

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

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Date: Sat, 08 Aug 1998 22:53:21 GMT

From: mwattcpa@earthlink.net

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [17157] Re: Quotation Verbosity Monitor Report

Message-ID: <35d0cd2e.15526354@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

I very much debated sending this message, anonymously or with my own =
name. I
decided to include my name, but please understand that no criticism of =
any
individual (including the list owner or other list managers) is intended.=
I
am expressing my opinion. I have no right, nor standing, to make demands=
of
the list owner/managers, particularly since I am a guest. However, as =
any
guest, I am not constrained to remain when a disagreement occurs. Or at =
least
I have to accept the trade off of list enjoyment vs. rules if I decide to
stay. With that disclaimer, my comment:

When mail software properly threads messages, I'll quit quoting. Juno, =
AOL,
and other content providers do not properly thread messages, so single
conversations are spread across my listing of messages received, rather =
than
being included within a threaded heirarchy. Quoting helps me track the =
20 or
so threads on this list alone, not to mention helping me keep the other =
10 or
so lists I'm on straight. Understand, I'm speaking of APPROPRIATE =
quoting
-- quoting 20+ lines to add the pithy "I agree" comment is just idiotic. =
But
quoting three or four lines of a message, to preserve context, is to me
essential for the reply to make sense as I read it (since threading =
messages
is out). And if I cannot quote, nor see quotes in the messages I read, I=
will
probably make the decision not to participate anymore.

I agree that taglines are somewhat wasteful, however I do lament their =
demise.

The signature on a letter is not needed, but a letter missing one is
incomplete, at least to me. Just as a salutation is also required in
correspondence, at least privately.

It would seem that most of the negative comments come from digest users.
Unfortunately, as I am not a digest user, and threading messages isn't

possible, I need quoting to preserve some semblance of context to the discussion. =20

Example: Message subject Re: HELP!

Body text: Use a .01 cap from U5 to ground. Should solve the problem.

GL es 73, Marty

Now, I have not a clue as to the problem that this solves! It is of no benefit to me. I need a bit of a quote. At least tell me which rig! So= one
can see the opposite needs/desires of digest vs. individual message = users.

I would suggest the compromise would be to demand editing of quotes, = rather
than their elimination above a target point. Quoting verbatim with no = editing
would be grounds for suspension. BTW, is that limit per day? Per month?= Per
lifetime?

Quoting has it's place within internet life. It's not there for = arbitrary
bandwidth wasting. Every mailer package I've encountered has quoting. = In
fact, part of why I obtained the software I have now (Agent) is because = of how
it handles quoting. The software does some preliminary editing (like elimination of taglines in the reply, if the tagline conforms to internet standard).

Sorry for the bandwidth. The s/n ratio here is still the lowest I've encountered on any list anywhere, including my "information only" church lists!! I maintain it isn't broken -- so why fix it?

(no tagline by request)

Date: Sat, 08 Aug 98 17:46:57 PDT

From: Ken Graham <k5id@ipa.net>

To: qrp-1@Lehigh.EDU

Subject: [17158] Need Schematic for HW-7

Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"

Content-Transfer-Encoding: 7bit

Wonder if some kind soul would copy and send me the schematic and
tune-up info for the Heath HW-7. You will be richly blessed.....

Regards, Ken Graham, K5ID
71 Mandarin Dr
Hot Springs, Ar 71909

End of QRP-L Digest 1177

